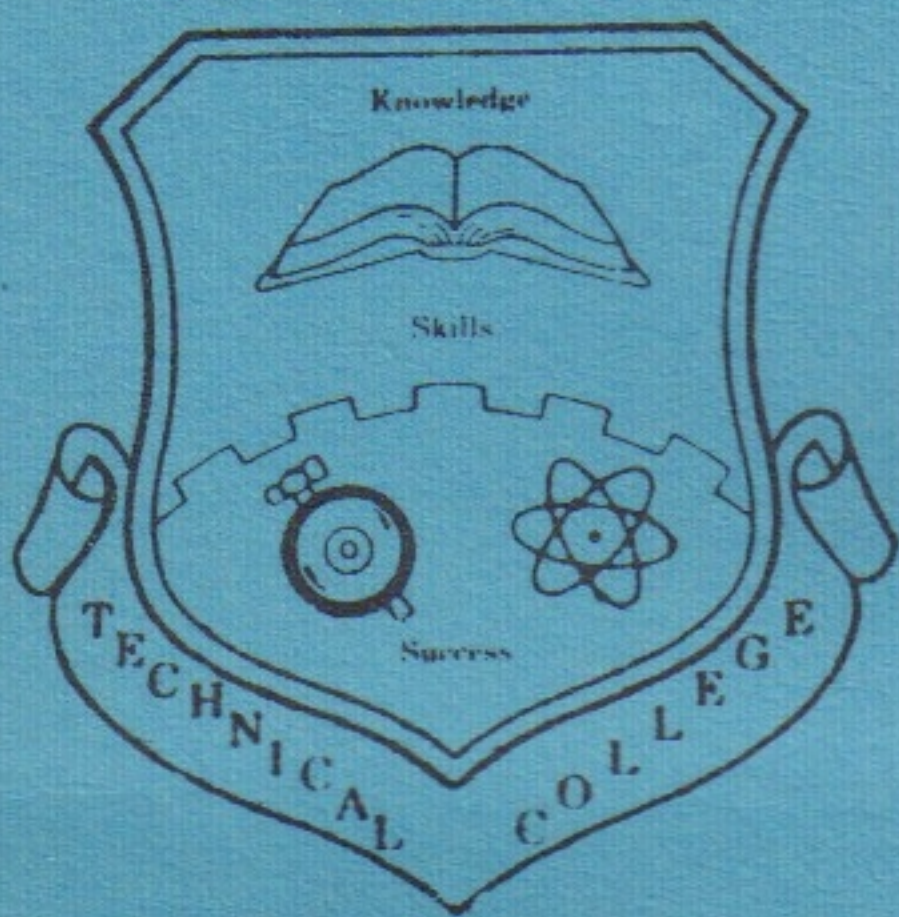


FREDD STATE TECHNICAL COLLEGE

GENERAL BROCHURE

FREDD STATE



*Accredited by the Southern Association of Colleges and Schools.

*Approved by the State Department of Education.

*All programs approved for Veterans training.

GENERAL INFORMATION

ENTRANCE REQUIREMENTS

A person must be 16 years of age to be accepted for enrollment in any program offered at C. A. Fredd State Technical College. A high school diploma or its equivalent is desirable. However, non-graduates may enroll in most of the courses offered as special students if they have completed at least the 8th grade. Students enrolling in the Barbering program should have completed the 10th grade. Students enrolling in Secretarial or Graphic Arts should have a high school diploma or GED.

APPLICATION PROCEDURES

1. A person eligible to enroll must obtain from the registrar's office the necessary enrollment forms.
2. A \$5 application fee must be paid when the application is submitted.
3. A transcript of credits must be submitted from the last school attended.
4. Prospective students will be notified by mail when to report for pre-registration. Tuition is paid at this time or no later than the 1st day of school.
5. Students are enrolled on a quarterly basis.

FINANCIAL INFORMATION

Application Fee	\$5.00
Tuition	\$125.00-Full-time per quarter
	\$62.50-Half-time per quarter
Student ID Cards.....	\$4.00 per year
Parking Decals	\$3.00 per year

Books, tools, supplies and uniforms must be purchased by all students. The cost will vary from course to course.

FINANCIAL AID PROGRAMS

BASIC EDUCATIONAL OPPORTUNITY GRANT

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT

ALABAMA STUDENT ASSISTANCE PROGRAM

CETA

ALABAMA MIGRANT FARM & SEASONAL
WORKERS PROGRAM

VOCATIONAL REHABILITATION

ALABAMA STATE ACADEMIC SCHOLARSHIPS

SOCIAL SECURITY (Dependent's Educational Benefits)

Special Funds

VETERANS' BENEFITS (See Registrar)
(All programs are approved for veterans training)

Further information concerning the programs mentioned
may be obtained from the Coordinator's Office.

It is the policy of C. A. Fredd State Technical College that no
one, on the grounds of race, color, handicap, sex, religion, or
national origin, be subjected to discrimination in the
recruitment and admission of students, the employment of
faculty and staff, and the operation of any of its programs
and activities, as specified by Federal laws, and regulations.

Inquiries concerning enrollment may be directed to :

C. A. Fredd State Technical College
3401 - 32nd Avenue
Tuscaloosa, AL 35401
Phone: 205/758-3361

COURSES OFFERED

Barbering

Body & Fender Repair

Carpentry

Commercial Sewing

Graphic Arts

Masonry

Plumbing & Pipefitting

Radio & TV Repair

Residential Electricity

Secretarial

Sewing Machine Mechanics

*Sheet Metal

Small Engine Repair

Upholstery

NOTE: All of the above programs are offered full time
Monday through Friday from 7:45 a.m. until 2:30
p.m.

EVENING CLASSES

Body & Fender Repair

Commercial Sewing

Masonry

Plumbing & Pipefitting

Radio & TV Repair

Secretarial

NOTE: All evening programs are half time and meet
Monday, Tuesday, and Wednesday from 5:30
p.m. to 10:30 p.m.

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

Length of Program: 4 Quarters (12 months)

THE BARBER'S WORK

A barber is often thought of as a person who just cuts hair. But with the rapidly increasing interest in total male grooming, many contemporary barbers now provide a wide variety of service for customers. These services include: hairstyling, hair coloring, shampoos, hair and scalp treatment, facials, shaves, and trimming beards and mustaches. The recommending and selling of grooming aids are important collateral services. Through specialized knowledge and an up-to-date awareness of current trends, a barber can suggest hair styles to suit individual customers. Advice can also be given on treatment and cure of hair and scalp problems.

NOTE: One quarter of Related Math and one quarter of Communicative Skills are required for completion of program. Students entering this program should have completed the 10th grade.

BARBERING

BODY AND FENDER REPAIR CARPENTRY

COMMERICAL SEWING AND TAILORING GRAPHIC ARTS

MASONRY PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS SMALL ENGINE REPAIR

UPHOLSTERY SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

JOB REQUIREMENT

In Alabama and in most states, a barber must be licensed by a State Board of Examiners, be at least 16 years old, and a graduate of an accredited barber college. Curriculum emphasizes barbering skills, with additional courses that include anatomy, sanitation, salesmanship, and general business methods.

GENERAL OUTLINE

Orientation	Scalp Treatments
Learning to Use and Identify	Shaving
Barbering Implements	Business Practices
Related Science	Getting a Job
Hair Cutting	Shampooing

NOTE: One quarter of Related Math and one quarter of Communicative Skills are required for completion of program. Students entering this program should have completed the 10th grade.

BODY AND FENDER REPAIR CARPENTRY

COMMERICAL SEWING AND TAILORING GRAPHIC ARTS

MASONRY PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

Length of Program: 8 Quarters (24 months)

COURSE DESCRIPTION

This course is designed to train students to repair damaged bodies and body parts of automotive vehicles, such as automobiles and light trucks. A student learns to examine damaged vehicles and estimate cost of repairs, remove upholstery, accessories, electrical and hydraulic window-and-seat operating equipment, and trim to gain access to vehicle body and fenders. He also gains skills in straightening bent frames using hydraulic jack and pulling devices. He learns to straighten, file, grind, and sand repaired surfaces using power tools and hand tools, and to refinish repaired surface after performing body repairs.

GENERAL OUTLINE

Oxy-Acetylene	Repairing Damaged Sheet Metal
Panel Replacement	Interior and Exterior Trim
Refinishing	Estimating and Damage Reporting
Fuel	Automotive Electricity
Remove, Replace and/or Install Interior, Exterior Trim and Hardware.	

BODY AND FENDER REPAIR CARPENTRY

COMMERICAL SEWING AND TAILORING GRAPHIC ARTS

MASONRY PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

GENERAL OUTLINE

COURSE DESCRIPTION

Level of program: 8 Quarters (34 months)

ADVANTAGES OF TRADE

1. Offers variety
2. Does not become routine or monotonous
3. May be carried on in any town, city, or rural community-- anywhere there are automobiles.
4. Relatively easy to acquire own Business.

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required before completion of this program.

GENERAL OUTLINE

Orientation	Use & Care of Tools
Safety in the Shop	Blueprint Reading
Foundations Layout	Wall Framing
Sheathing	Roofs
Miscellaneous	

CARPENTRY

COMMERICAL SEWING AND TAILORING

GRAPHIC ARTS

MASONRY

PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR

RESIDENTIAL ELECTRICITY

SECRETARIAL

SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

Length of Program: 6 Quarter (18 months)

COURSE DESCRIPTION

The length of the carpentry program is 18 months. The instructional program is divided between classroom theory and shop practice.

Course content consists of safety, use and care of hand tools and power equipment, and the application of common building materials. Instruction includes foundations, exterior finishing, roof framing, blueprint reading, estimating materials, related mathematics and communication.

GENERAL OUTLINE

Orientation	Use & Care of Tools
Safety in the Shop	Blueprint Reading
Foundations Layout	Wall Framing
Sheathing	Roofs
Miscellaneous	

CARPENTRY

COMMERICAL SEWING AND TAILORING

GRAPHIC ARTS

MASONRY

PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR

RESIDENTIAL ELECTRICITY

SECRETARIAL

SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

EMPLOYMENT OUTLOOK

During the next few years, the growth of building construction will result in an increasing demand for construction of homes, schools, churches, stores, public institutions, and many other types of buildings and recreational facilities.

When training is completed, the carpentry graduate will be qualified for a broad range of job opportunities such as supervisor, foreman, inspector, and contractor. For those who have the ability and are willing to work, the field of carpentry is unlimited.

NOTE: Two quarters of Related Math and two quarters of Communicative Skills are required for completion of the program.

- COMMERICAL SEWING AND TAILORING
- GRAPHIC ARTS
- MASONRY
- PLUMBING AND PIPEFITTING
- RADIO AND TELEVISION REPAIR
- RESIDENTIAL ELECTRICITY
- SECRETARIAL
- SEWING MACHINE MECHANICS
- SMALL ENGINE REPAIR
- UPHOLSTERY
- SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

the program

Communicative skills are required for completion of
NOTE: Two quarters of Related Math and two quarters of

carefully is suggested

who make the final and are subject to work the field of
independent, personal, independent, and cooperative for more
be directed for a great range of job opportunities such as

when training is completed, the candidate should be well
prepared for further

employment and should expect jobs of responsibility and
construction of houses, schools, churches, stores, bridges
construction will result in an increasing demand for
during the next few years, the growth of building

EMPLOYMENT OUTLOOK

Length of Program: 6 Quarters (18 months)

COURSE DESCRIPTION

Commercial Sewing is an integrated treatment of the basic techniques of the needle trades by hand and machine which embraces dressmaking, tailoring, fashion designing, and related sewing fields. The course is designed to train men and women for entrance into and progress in the needle trades to develop skills in simple and complicated sewing for the family, home, factory, and the commercially self-owned dress or tailor shop. Although the course content may be directed more specifically toward one phase than another, it establishes a basic foundation for many job classifications.

Presses, and Bindery Processes

GENERAL OUTLINE

Orientation	Tools and Equipment
Trade and Technology	General Handstitches
Machine Operators	Seams and Seam Finishes
Pocket Construction	Measurements
	Patterns

NOTE: Three quarters of Related Math and Three quarters of Communicative Skills are required for completion of program.

COMMERICAL SEWING AND TAILORING GRAPHIC ARTS

MASONRY PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

of program
of Communicative Skills are required for completion
NOTE: Three quarters of Related Math and three quarters

Locker Construction
Machine Operation
Trade and Technology
Orientation
Welding
Steam and Steam Fitters
General Handicraft
Tool and Die Making

GENERAL OUTLINE

establish a path toward job for many for classification
described more specifically toward one trade than another
area of trade work. Although the course content may be
the trade's basic theory and the commercial test of work
needed to develop skills in machine and construction, training for
work and toward job in machine and construction in the use of
and toward training for the course is designed to show
which employer's requirements for the trade. Students
basic requirements of the trade program and machine
commercial training is an integrated program of the

COURSE DESCRIPTION

Length of Program: 6 Quarters (18 months)

COURSE DESCRIPTION

A complete course in printing is conducted by the Graphic Arts Department for the purpose of helping individuals develop careers in one of the nation's largest industries. Graduates of this course have a thorough knowledge of the principles, techniques, and equipment that are employed in the printing trade and the skills necessary to translate that understanding into finished copy.

Graphic Arts students receive extensive training in each of the six major areas of the printer's trade: Composition, Camera Processes, Layout Procedures, Platemaking, Printing Presses, and Bindery Processes.

GENERAL OUTLINE

Composition Design & Layout	Offset Camera
Stripping and Platemaking	Advanced Presswork
Primary Presswork and Bindery	Intermediate Presswork and Bindery

NOTE: Students entering this program must have a high school diploma or GED Certificate. One quarter of Related Math, one quarter of Communicative Skills, and one quarter of typewriting are required for completion of program.

GRAPHIC ARTS

MASONRY

PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR

RESIDENTIAL ELECTRICITY

SECRETARIAL

SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

Length of Program: 6 Quarters (18 months)

INTRODUCTION

Bricklayers are craftsmen who work with masonry materials. These craftsmen construct walls, partitions, fireplaces, chimneys, and other structures from bricks. They also use other masonry materials, such as concrete, cinder blocks precast panels made of brick cement, tile, stone, or marble. This course endeavors to give students knowledge and skills that will enable them to become efficient workers in the masonry trade.

GENERAL OUTLINE

Orientation	Trade Drawing and Blueprint Reading
Chimney and Fireplace Construction	Shop Practices
Masonry Materials	Foundation and Footing
Miscellaneous	

WHERE EMPLOYED

Bricklayers are employed primarily in the construction industry--residential and nonresidential--and in maintenance, repairs, and alterations.

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required to meet completion requirements.

MASONRY

PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR

RESIDENTIAL ELECTRICITY

SECRETARIAL

SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

NOTE: Two chapters of related work and one chapter of maintenance, laboring and operations.

WHERE EMPLOYED

Water supply, sewage disposal, heating and cooling, ventilation and air conditioning, industrial and commercial buildings, trade drawing and blueprint reading.

GENERAL OUTLINE

The water supply trade is one of the most important trades in the construction industry. This course is designed to give the student a thorough knowledge of the water supply trade and its various branches. The student will learn the principles and practices of water supply, including the design, construction and maintenance of water supply systems.

INTRODUCTION

Length of Program: 6 Quarters (18 months)

INTRODUCTION

Plumbers and pipefitters are craftsmen who install, repair and maintain plumbing systems. This occupation is one of the most highly skilled of the building trades. Job opportunities are excellent in this field in view of present and anticipated construction activity, which not only includes erection of new structures, but the alteration and modernization of existing structures.

JOB DESCRIPTION

Although plumbing and pipefitting are sometimes considered to be a single trade, a worker can specialize either in one craft or the other, particularly in large cities. Water, gas and waste disposal system, especially those connected to public utility systems, are installed by plumbers. These installations are made in residential and commercial buildings, schools, industrial plants and other structures. Plumbers and pipefitters use a variety of skills in installing pipe systems. They bend, weld, braze, caulk, solder and thread joints. They use wrenches, reamers, drills, braces and bits, hammers, chisels, saws and other handtools. Hand operated hydraulic pipe benders are also used.

PLUMBING AND PIPEFITTING

RADIO AND TELEVISION REPAIR

RESIDENTIAL ELECTRICITY

SECRETARIAL

SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

JOB DESCRIPTION

INTRODUCTION

EMPLOYMENT OPPORTUNITIES

An apprentice achieves journeyman status after a five-year apprenticeship or on-the-job training. A worker must pass a state examination and obtain a license before he can become a journeyman. Some journeyman plumbers and pipefitters may become foreman for plumbing or pipefitting contractors. Many journeymen go into business for themselves. As they expand their activities, they may employ other workers, and become plumbing and pipefitting contractors.

GENERAL OUTLINE

Orientation	Use of Tools
Safety	Blueprint Reading
Theory of Plumbing	How to Install
Maintenance Plumbing	Piping Systems

NOTE: Four quarters of Related Math and two quarters of Communicative Skills are required for completion of the program.

RADIO AND TELEVISION REPAIR RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

NOTE: Two quarters of Related Math and two quarters of Communicative Skills are required for completion of program.

Maintenance Principles
Theory of Principles
Safety
Orientation
Electrical Systems
How to install
General Principles
Use of Tools

GENERAL OUTLINE

Students will receive instruction and experience in the following areas: 1. Basic Electronics 2. Radio and Television Repair 3. Residential Electricity 4. Secretarial 5. Sewing Machine Mechanics 6. Small Engine Repair 7. Upholstery 8. Sheet Metal

REQUIREMENTS OF PROGRAM

Length of Program: 8 Quarters (24 months)

A. BASIC ELECTRONICS COURSE DESCRIPTION

The length of the course is 24 months. This time is divided between classroom theory and shop practice. Shop conditions are set up very similar to those which are encountered in the field. Many students find part-time employment in the trade while they are still in school.

7. Vacuum Tubes 8. Transistors

COURSE OBJECTIVES

To help the student:

- (a) Gain knowledge and understanding in the fundamentals of electronics.
- (b) Gain knowledge and understanding of both simple and complex radio and television circuits.
- (c) Acquire skill in the use of hand tools and test equipment in the repair of radio and television receivers and other electronic devices.
- (d) Develop a proper attitude toward his work, his fellow workers, and his superiors.

1. Black & White Receivers
2. Color Receivers

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of program.

RADIO AND TELEVISION REPAIR RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

- (a) Develop a basic understanding of the basic principles of electronics.
- (b) Develop a basic understanding of the basic principles of electronics.
- (c) Develop a basic understanding of the basic principles of electronics.
- (d) Develop a basic understanding of the basic principles of electronics.
- (e) Develop a basic understanding of the basic principles of electronics.

COURSE OBJECTIVES

The student will be able to:

- 1. Understand the basic principles of electronics.
- 2. Understand the basic principles of electronics.
- 3. Understand the basic principles of electronics.
- 4. Understand the basic principles of electronics.
- 5. Understand the basic principles of electronics.

COURSE DESCRIPTION

(Minimum 8 hours of instruction)

GENERAL OUTLINE

A. BASIC ELECTRONICS

1. D. C. Theory
2. A. C. Theory
3. Inductance and Transformers
4. Capacitance
5. Resonant Circuits and Tuning Principles
6. Radiation and Antenna
7. Vacuum Tubes
8. Transistors

B. RADIO

1. Introduction to Radio Principles and Radio Systems
2. Test Equipment--Hard Tools

C. SOUND SYSTEMS

1. Hi-fi and Stereo
2. P. A. Systems
3. Recording Devices

D. TELEVISION

1. Black & White Receivers
2. Color Receivers

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of program.

RESIDENTIAL ELECTRICITY

SECRETARIAL SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

NOTE: Two quarters of related math and one quarter of

3. Color Receivers
1. Black & White Receivers
D. TELEVISION

3. Recording Devices
3. P. A. Systems
1. Hi-Fi and Stereo
C. SOUND SYSTEMS

3. Test Equipment-Hand Tools
1. Introduction to Radio Principles and Radio Systems
B. RADIO

8. Transistors
3. Vacuum Tubes
6. Radiation and Antenna
2. Resonant Circuits and Tuning Principles
4. Capacitance
3. Inductance and Transformers
3. A. C. Theory
1. D. C. Theory
A. PHYSIC/ELECTRONICS

GENERAL OUTLINE

Length of Program: 8 Quarters (24 months)

COURSE DESCRIPTION

This program provides the basic principles of electrical power distribution technology. The student is prepared for employment or advancement in a field of electrical installation in new buildings, rewiring of old buildings, electrical maintenance and repair, and troubleshooting of electrical equipment and installations. Upon completion of a 24-month curriculum in Electricity, the graduates are qualified for the following positions:

- *Electrician
- *Electrical Appliance Repairman
- *Field Estimator
- *Laboratory Test Technician

WORKING CONDITIONS

The surrounding and working conditions of the electrical trade are favorable to the worker. It offers opportunities for indoor and outdoor work. Working hours and conditions permit the electrical worker to find pleasure in doing a first-class job. On many jobs, the electrical worker has the opportunity to deal with customers; therefore, personal conduct of the craftsman affects future advancement of the electrical field and industry.

RESIDENTIAL ELECTRICITY

SECRETARIAL
SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

electrical field and industry. The conduct of the institution affects the advancement of the opportunity to deal with customers; therefore, behavior does not only mean for the electrical worker but the behavior of the electrical worker to the business in doing a first-class and efficient work. Working hours and conditions made are favorable to the worker. It offers opportunities for the improvement and working conditions of the electrical

WORKING CONDITIONS

- Paroleable Test Technician
- Field Engineer
- Electrical Apparatus Technician
- Electrician

qualified for the following positions:

It would be necessary to electrically the electrical and mechanical and installation of a electrical maintenance and repair and maintenance of the electrical system in new buildings. Working hours and conditions made are favorable to the worker. It offers opportunities for the improvement and working conditions of the electrical

COURSE DESCRIPTION

Length of Program: 8 months (24 months)

OPPORTUNITIES

The opportunity is open for the electrical worker to become a first-class journeyman by understanding new phases of the electrical field. From first-class journeyman, he can advance to the position of foreman or contractor.

GENERAL OUTLINE

- | | |
|------------------------------------|--|
| Applying Ohm's Law | Estimating and Electrical Specifications |
| Performing Basic Wiring Techniques | Electrical Principles |
| Wiring Circuits | Electrical Maintenance |
| Wiring for Light and Outlets | National Electrical Code |
| Reading Blueprints | |

NOTE: Four quarters of Related Math and two quarters of Communicative Skills are required for completion of the program.

- | | |
|---------------------------------|------------------|
| Typewriting | Bookkeeping |
| Shorthand | English |
| Business English | Business Math |
| Office Practices and Procedures | Office Machinery |

NOTE: Students entering the program must be high school graduates or have a GED Certificate.

SECRETARIAL
SEWING MACHINE MECHANICS
SMALL ENGINE REPAIR
UPHOLSTERY
SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

- 1. Spring Holidays coinciding with AEA convention
- 2. Two weeks summer vacation
- 3. Independence Day
- 4. One week in August or September for Summer Conference
- 5. One day for Labor Day
- 6. One day for Veterans Day
- 7. Two days for Thanksgiving
- 8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

NOTE: Some students of related work and the student of

Working for part and full time National Electrical Code
Working Circuits Electrical Maintenance
Performing basic wiring techniques Electrical Principles
Working on a job site Estimating and Electrical

GENERAL OUTLINE

to the position of secretary or stenographer
electrical field from high school preparation to advance
a high school preparation by understanding new branches of the
the opportunity is given for the electrical worker to receive

OPPORTUNITIES

Length of Program: 4 Quarters (12 months)

PROGRAM DESCRIPTION

This phase of business offers the students an opportunity to develop those skills, abilities, and understandings that will enable them to enter, perform and progress in a position in the modern business office.

The secretary performs a variety of duties such as taking and transcribing dictation, processing mail, filing, receiving and screening callers, etc.

In addition to skill courses, students take business English, business math, and business law.

To develop desirable secretarial traits, secretarial office practice consists of developing traits affecting performance and human relations.

PHASES OF TRAINING

- | | |
|---------------------------------|-----------------|
| Typewriting | Bookkeeping |
| Shorthand | Filing |
| Business English | Business Math |
| Office Practices and Procedures | Office Machines |

NOTE: Students entering this program must be high school graduates or have a GED Certificate.

SECRETARIAL
SEWING MACHINE MECHANICS
SMALL ENGINE REPAIR
UPHOLSTERY
SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

1. Spring Holidays coinciding with AEA convention
2. Two weeks summer vacation
3. Independence Day
4. One week in August or September for Summer Conference
5. One day for Labor Day
6. One day for Veterans Day
7. Two days for Thanksgiving
8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

graduates or have a GED Certificate
NOTE: Students entering this program must be high school

Office Practices and Procedures
Business English
Shorthand
Typewriting

Office Machines
Business Math
English
Bookkeeping

PHASES OF TRAINING

and human relations.
practice consists of developing staff assisting performance
to develop desirable secretarial skills, secretarial office
business math, and business law.
In addition to this, students take business English,
and secretarial college, etc.
and maintaining dictation, processing mail, filing, receiving
the secretary performs a variety of duties such as taking
the modern business office.
enable them to enter business and progress in a position in
develop these skills, abilities, and understanding that will
This phase of training offers the students an opportunity to

PROGRAM DESCRIPTION

Length of Program: 4 Quarters (15 months)

Length of Program 5 Quarters (15 months)

PROGRAM DESCRIPTION

Industrial Sewing Machine Mechanics is a 15-month instructional program that provides both basic and advanced technology in the repairing of industrial sewing machines and mechanical accessories, such as: cloth cutting machines, spreading machines, cloth fusing machines, die cutting machines, pneumatic accessories, seam equipment, and electrical components.

EMPLOYMENT OUTLOOK

When training is completed the graduates are qualified to work as sewing machine repairmen, machine salesperson, or maintenance mechanic.

There is a great demand for journeyman helpers, apprentices, and master sewing machine mechanics in industries and neighborhood repair shops. Mechanics can be advanced to supervisory or managerial positions.

SEWING MACHINE MECHANICS

SMALL ENGINE REPAIR

UPHOLSTERY

SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

- 1. Spring Holidays coinciding with AEA convention
- 2. Two weeks summer vacation
- 3. Independence Day
- 4. One week in August or September for Summer Conference
- 5. One day for Labor Day
- 6. One day for Veterans Day
- 7. Two days for Thanksgiving
- 8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

EMPLOYMENT OUTLOOK

and electrical components
various machines, business accessories, lawn equipment,
machines, various machines, door, window machines, etc.
machines and electrical accessories, etc. as well as cutting
various materials in the repairing of industrial sewing
machines, brooms, etc. Various door, pane and
window, etc. sewing machines, etc. is a 12-month

PROGRAM DESCRIPTION

(Minimum of 12 months)

GENERAL OUTLINE

- Thread, cloth and needle types
- Federal Basic Stitches and Seams
- Tools and their use
- ARC Acetylene Welding and Soldering
- Basic Electricity
- Making Folders and Jibs
- Installing and maintaining Pneumatic, Fluidic, and Seam equipment

NOTE: Two quarters of Related Math and two quarters of Communicative Skills are required for completion of program.

- | | |
|-----------------|----------------|
| Lawn Mowers | Small Tractors |
| Chain Saws | Motorcycles |
| Outboard Motors | |

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of program.

- SMALL ENGINE REPAIR
- UPHOLSTERY
- SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

- 1. Spring Holidays coinciding with AEA convention
- 2. Two weeks summer vacation
- 3. Independence Day
- 4. One week in August or September for Summer Conference
- 5. One day for Labor Day
- 6. One day for Veterans Day
- 7. Two days for Thanksgiving
- 8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

Length of Program: 5 Quarters (15 months)

The Small Engine Mechanic uses common tools such as wrenches and other hand tools as well as special tools designed for working with hard-to-remove parts. Special testing equipment is also used to make problems easier to diagnose.

In diagnosing malfunctions, the mechanic may use special testing equipment and "strip down" some components for closer examination. Once the defective parts are located, the mechanic repairs or replaces them.

GENERAL OUTLINE

- | | |
|-----------------|----------------|
| Lawn Mowers | Small Tractors |
| Chain Saws | Motorcycles |
| Outboard Motors | |

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of program.

SMALL ENGINE REPAIR
UPHOLSTERY
SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

- 1. Spring Holidays coinciding with AEA convention
- 2. Two weeks summer vacation
- 3. Independence Day
- 4. One week in August or September for Summer Conference
- 5. One day for Labor Day
- 6. One day for Veterans Day
- 7. Two days for Thanksgiving
- 8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of this program.

Orientation
Drawing and Layout
Design and Theory
Welding
Fabrication
Safety
Tooling
Maintenance

GENERAL OUTLINE

The Small Engine Mechanic uses common tools such as wrenches and other hand tools as well as special tools designed for working with hard-to-remove bolts. Special equipment is also used to make repairs easier to diagnose. In diagnosing malfunctions, the mechanic may use special equipment and "strip down" some components for closer examination. Once the defective parts are located, the mechanic repairs or replaces them.

Length of Program: 8 Quarters (24 months)

INTRODUCTION

No home is complete without some type of upholstered furniture. Furniture upholstery involves a mastery of techniques on a wide variety of pieces ranging from elaborate settees and upholstered chairs to recreation room furniture and inexpensive dinette sets. Upholstered furniture is covered with leather, brocade, velveteen, rayon, cotton, wool, fabric blends, and plastics. Some pieces are tufted or piped, others plain, some have braiding or welt around the sides, and others are trimmed with bright upholstery tacks. Whatever the type of covering, style, or decoration, all upholstered furniture is the handwork of a group of skilled craftsmen known as upholsterers. Upholstery is not only confined to furniture for the home, but also includes the interior of automobiles.

GENERAL OUTLINE

Orientation
Finishing Furniture
Stuffing and Padding
Specialization Draping
Covering Dinette Chairs, Occasional Chairs, and Platform Rockers
Paneling and Trimming
Framing Preparation
Foundation and Body Work
Car Seat Covering

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of program.

Orientation
Drawing and Layout
Design and Theory
Welding
Fabrication
Safety
Tooling
Maintenance

NOTE: Two quarters of Related Math and one quarter of Communicative Skills are required for completion of this program.

UPHOLSTERY
SHEET METAL

SCHOOL CALENDAR

C. A. Fredd State Tech. operates on the quarter system. Each quarter consists of a minimum of 54 school days, with each day having 6 hours of classroom and shop instruction. Students attending night school attend Monday, Tuesday, and Wednesday nights from 5:30 - 10:30.

The following are days that the school is not in session:

- 1. Spring Holidays coinciding with AEA convention
- 2. Two weeks summer vacation
- 3. Independence Day
- 4. One week in August or September for Summer Conference
- 5. One day for Labor Day
- 6. One day for Veterans Day
- 7. Two days for Thanksgiving
- 8. Two weeks for Christmas holidays

DIPLOMA:

All programs offer a diploma upon satisfactory completion of requirements.

ASSOCIATE DEGREE:

Students desiring an associate degree must complete a diploma program at C. A. Fredd and a specified number of hours at the Junior College Division of Shelton State Community College. The number of hours required at Shelton State is determined by the length of the diploma program at C. A. Fredd.

Communication skills are required for completion of
NOTE: Two quarters of Related Math and one quarter of

- Covering Dimple Chains, Occasional Chains, and Platform
- Specialization Drawing
- Shifting and Folding
- Finishing Furniture
- Orientation
- Car Seat Covering
- Foundation and Body Work
- Framing Preparation
- Painting and Finishing

GENERAL OUTLINE

not also includes the interior of automobiles
Theoretically it not only consists of instruction for the power
components of automobiles
Theoretically it not only consists of a group of skilled
Whatever the type of covering, style, or decoration, all
edges and corners are finished with proper theoretical tasks
Theoretical edges, corners, some have painting or well around the
wood, fabric, plastic, and leather, some pieces are glued or
is covered with leather, plastic, wallpaper, rayon, cotton,
theoretical and theoretical edges, theoretical instruction
elaborate letters and theoretical craft to recreation room
instructions on a wide variety of pieces including how
theoretical, theoretical, theoretical, theoretical, a variety of
No more is complete without some type of theoretical

INTRODUCTION

Length of Program: 6 Quarters (18 months)

COURSE DESCRIPTION

Sheet Metal workers are skilled craftsmen who design, sketch, read blueprints and draft patterns of products made from sheets of Galvanized iron and other metals. They estimate the cost, and build heating, air conditioning and blowpipe systems, gutters, downspouts and metal roofing. Sheet Metal workers use hand tools and machines such as the Brake, Forming Rolls, Squaring Shears, and Pittsburgh Machine.

JOB OPPORTUNITIES

Employment of Sheet Metal workers in construction is expected to increase as fast as the average for all occupations through the mid - 1980's. In addition to jobs from employment growth, many openings will arise as experienced workers retire, die, or leave work for other reasons.

Although job openings may fluctuate from year to year due to ups and downs in construction activity, jobs may be available in other industries. There is a demand for skilled Sheet Metal workers in ship building, aircraft manufacturing, farm equipment, trailer and van manufacturing, and space vehicles.

GENERAL OUTLINE

- Safety
- Design and Theory
- Welding
- Installation
- Drawing and Layout
- Roofing
- Fabrication
- Repair and Maintenance

NOTE: Three quarters of Related Math and two quarters of Communicative Skills are required for completion of this program.

SHEET METAL

Printed by the
Graphic Arts Department
Frederick State Technical College